

CURRICULUM GUIDE

Engineering Technology Management, B.S. (Technology Concentration-transfer students only) 2022-2023

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The schedule below is an **EXAMPLE** of how you can arrange your class schedule. Please consult your advisor for specific changes that may need to be made.

	Fall Semester	Spring Semester
Freshman Year	◊ MAT 120 (or higher) (fulfills Gen. Ed. 2) 3 ♣ Technical Elective 3 ♣ Technical Elective 3 ♣ Technical Elective 3 Gen. Ed. 1A (ENG 101) 3 TOTAL 15	◊ CHE 101 <i>or</i> 111 (fulfills Gen. Ed. 4) 3 CHE 101L <i>or</i> 111L 1 ♣ Technical Elective 3 ♣ Technical Elective 3 Gen. Ed 1B (ENG 102) 3 Gen. Ed. 1C (Comm.) 3 TOTAL 16
Sophomore Year	STA 215 3 ♣ Technical Elective 3 ♣ Technical Elective 3 ♣ Technical Elective 3 Free Elective 3 TOTAL 15	♣ Technical Elective 3 ♣ Technical Elective 3 ♣ Technical Elective 3 Gen. Ed. 3A (Arts) 3 Free Elective 3 TOTAL 15
Junior Year	AEM 195 3 AEM 308 3 AEM 310W 3 ◊ PHY 131 (fulfills Gen. Ed. 4) 5 Free Elective 2 TOTAL 16	AEM 202 3 AEM 349 1 CON 420 3 TEC 161 3 Gen. Ed. 3B (Humanities) 3 Free Elective (or Gen. Ed. 5B if ACC 200 will be taken) 3 TOTAL 16
Senior Year	AEM 407 (fall only) 3 ◊ ECO 120 <i>or</i> ◊ 230 (fulfills Gen. Ed. 5B) <i>or</i> ACC 200 3 MAT 211 (or higher) 3 Gen. Ed. 5A (History) 3 Gen. Ed. 6 (Diversity) 3 TOTAL 15	AEM 332 3 AEM 408 3 AEM 467 0 AEM 499 (ACCT) (spring only) 3 Gen. Ed. 6 (Diversity) 3 TOTAL 12
TOTAL HOURS TO DEGREE COMPLETION		120

Course Number	Course Name
GENERAL EDUCATION & UNIVERSITY REQUIREMENTS (36)	
CORE COURSE REQUIREMENTS (34)	
AEM 195	Computer Aided Drafting (3)
AEM 202	Introduction to Quality (3)
AEM 308	Methods of Lean Operations (3)
AEM 310W	Technical Communication (3) (writing intensive)
AEM 332	Process Control and Auditing (3)
AEM 349	Applied Learning in Industrial Technology (1)
AEM 407	Fundamentals of Project Management (3) (fall only)
AEM 408	Human Resources Development (3)
AEM 499	Senior Capstone Project (3) (spring only)
CON 420	Engineering Economy (3)
STA 215	Introduction to Statistical Reasoning (3)
TEC 161	Computer Applications in Technology (3)
TECHNOLOGY CONCENTRATION REQUIREMENTS (33)	
♣ THIRTY-THREE (33) HOURS of approved technical electives.	
SUPPORTING COURSE REQUIREMENTS (6-9)	
◊ CHE 101 <i>and</i>	Introductory Chemistry I (3)
CHE 101L <i>OR</i>	Introductory Chemistry I Lab (1)
◊ CHE 111 <i>and</i>	General Chemistry I (3)
CHE 111L	General Chemistry I Lab (1)
◊ ECO 120 <i>or</i>	Economic Reasoning and Issues (3)
◊ ECO 230 <i>or</i>	Principles of Microeconomics (3)
ACC 200	Survey of Accounting (3)
♣ MAT 120	Trigonometry (3)
♣ MAT 211 <i>or</i>	Applied Calculus (3)
♣ MAT 261	
◊ PHY 131	College Physics (5)
Bracketed items must be taken concurrently.	
EXIT REQUIREMENT (0)	
AEM 467	Exit Exam for BS in AEM (0) (EXAM FEE REQUIRED)
FREE ELECTIVES (8-11)	

◊ Denotes that 3 credit hours from this course are/can be applied to fulfill a Gen. Ed. requirement.

♣ SEVEN (7) HOURS of higher-level MAT courses can be substituted.

* **PREREQUISITES:** Consult with your advisor and/or the University catalog regarding prerequisites for upper division courses in your major.

Upper division courses: All students are required to have a minimum of 42 hrs. upper division (300-level or above) courses distributed throughout Major/Supporting/Gen Ed/Free Electives categories.

Refer to the University Catalog at <http://www.catalogs.eku.edu/> regarding University and General Education Requirements. All baccalaureate degree seeking students who enter the University are required to successfully complete one writing intensive course following completion of the ENG 102, ENG 105, or HON 102/103. Writing intensive courses are designated with the suffix "W" following the course prefix and number (e.g. HUM 300W).

Applied Critical & Creative Thinking (ACCT) Requirement: Engineering Technology Management majors fulfill ACCT with AEM 499. (Credit hours are incorporated into program requirements.)